

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A vehicle heat transfer module, comprising:

2 a conduit for air circulation, said conduit including an input and output for
vehicle cabin air and an input and output for fresh air;

4 ~~an evaporator in said conduit between said cabin air input and cabin air
output;~~

6 ~~a heater having vehicle engine coolant circulated therethrough, said heater
being in a first path between said fresh air input and said fresh air
8 output and in a second path between said cabin air input and said
cabin air output;~~

10 a first door adapted to selectively open or close said fresh air input and
fresh air output;

12 a second door adapted to block a selected amount of cabin air from said
heater;

14 a controller adapted to control said first and second doors responsive to
heating and cooling requirements whereby

16 in a first condition
said first door opens said fresh air input and output for flow of
18 fresh air in a first path from said fresh air input and
fresh air output, and

20 said second door substantially separates said first path from a
 second path in said conduit between said cabin air in-
22 put and said cabin air output, and
 in other conditions
24 said first door closes said fresh air input and said fresh air
 output, and
26 said second door directs selected amounts of said cabin air
 from said second path to an alternate path;
28 an evaporator in said second path; and
 a heater having vehicle engine coolant circulated therethrough, said heater
30 being in said first path and said alternate path.

2. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
2 1, wherein said evaporator is disposed over said cabin air input.

3. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
2 1, whereby said controller controls said first door to close said fresh air input and
 fresh air output when controlling said second door to block less than all of said
4 cabin air from said heater.

2 4. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
1, whereby said controller controls said first door to open said fresh air input and
4 fresh air output when controlling said second door to block all of said cabin air from
said heater.

2 5. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
1, further comprising a detector detecting said heating and cooling requirements for
the vehicle cabin, said detector being operably connected to said controller.

2 6. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
1, further comprising a blower adapted to selectively blow air from said conduit out
said cabin air output.

2 7. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
1, further comprising a secondary blower adapted to selectively blow air in ~~a path~~
said second path from said fresh air input to said fresh air output

2 8. (Currently Amended) ~~The apparatus of claim 1~~ A vehicle heat
transfer module, comprising:
4 a conduit for air circulation, said conduit including an input and output for
vehicle cabin air and an input and output for fresh air;

an evaporator in said conduit between said cabin air input and cabin air

output;

a heater having vehicle engine coolant circulated therethrough, said heater

being in a first path between said fresh air input and said fresh air

output and in a second path between said cabin air input and said

cabin air output;

a first door adapted to selectively open or close said fresh air input and

fresh air output;

a second door adapted to block a selected amount of cabin air from said

heater; and

a controller adapted to control said first and second doors responsive to

heating and cooling requirements,

wherein

said conduit defines a third path between said cabin air input and

said cabin air output, wherein said evaporator is in said third

path and said third path does not include said first path, and

said second door is controllably moveable between a first position

blocking said first path from said third path and ~~at least one~~

~~second position~~ a plurality of other positions in which ~~a se-~~

~~lected amount~~ selected amounts of cabin air in said third path

~~is diverted~~ are diverted to said second path.

9. (Currently Amended) The ~~apparatus~~ heat transfer module of claim
2 8, wherein ~~there are a plurality of second~~ said other positions, each diverting a
different selected amount of cabin air in the third path to said second path, and said
4 second door is pivotable between said first position and said second positions.

10-15. (Canceled).